Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	24	424/405 and (dialdehyde or 2-butenedial or butenedial)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/27 09:37
L2	63	514/705 and (disinfectant or sterilize or disinfecting or bacterial or bactericide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/27 09:40
L5	21	Satsangi.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/27 09:41
L6	11	Bruckner.in. and (dialdehyde or butenedial or 2-butenedial)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/27 09:43
L7	0	Satsangi.in. and (dialdehyde or butenedial or 2-butenedial)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/27 09:41
L8	49	Satsangi	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/27 09:43
L11	2	2-butenedial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/27 09:49
S1	23	butenedial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/27 09:51
S2	10	butenedial and ph	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 12:22
S3	28	fumaraldehyde	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/27 09:48

S4	82	fumaraldehyde or malealdehyde	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 12:24
S6	104	fumaraldehyde or malealdehyde or butenedial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 13:33
S8	84	fumaraldehyde or malealdehyde or butenedial and fragrance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 12:25
S10	1	(fumaraldehyde or malealdehyde or butenedial) and fragrance and antioxidant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 12:26
S11	12	(fumaraldehyde or malealdehyde or butenedial) and antioxidant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 12:26
S12	44	(fumaraldehyde or malealdehyde or butenedial) and ph	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 12:51
S13	7	(fumaraldehyde or malealdehyde or butenedial) same ph	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 12:55
S14	1	(fumaraldehyde or malealdehyde or butenedial) and odor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 12:55
S15	6	(fumaraldehyde or malealdehyde or butenedial) same acidic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 13:13
S16	2	"2987475".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 13:13

S24	81	surfactant same glycol same corrosion same antioxidant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 13:35
S26	33	surfactant same glycol same corrosion same antioxidant same dye	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 13:47
S27	1	surfactant same glycol same corrosion same antioxidant same fragrance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 13:35
S28	81	surfactant same glycol same corrosion same antioxidant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 13:48
S29	0	surfactant same glycol same corrosion same antioxidant same bacteridcide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 13:48
S30	0	surfactant same glycol same corrosion same antioxidant same bactericidal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 13:48

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=> s bruckner n?/au
L1          51 BRUCKNER N?/AU

=> s satsangi r?/au
L2         104 SATSANGI R?/AU

=> s l1 and (dialdehyde or disinfect? or biocid? or bacteri?)
L3          18 L1 AND (DIALDEHYDE OR DISINFECT? OR BIOCID? OR BACTERI?)

=> s l2 and (dialdehyde or disinfect? or biocid? or bacteri?)
L4           6 L2 AND (DIALDEHYDE OR DISINFECT? OR BIOCID? OR BACTERI?)

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=> d l5 1-17 ibib abs total

L5   ANSWER 1 OF 17  USPATFULL on STN
ACCESSION NUMBER:       2005:144030  USPATFULL
TITLE:                  Implant coatings
INVENTOR(S):            Ong, Joo L., Cordova, TN, UNITED STATES
                          Satsangi, Rajiv K., San Antonio, TX, UNITED
                        STATES
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Satsangi, Neera, San Antonio, TX, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2005123765	A1	20050609	
APPLICATION INFO.:	US 2003-497671	A1	20021217	(10)
	WO 2002-US40172		20021217	

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-342069P	20011219 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MEYERTONS, HOOD, KIVLIN, KOWERT & GOETZEL, P.C., P.O. BOX 398, AUSTIN, TX, 78767-0398, US
NUMBER OF CLAIMS: 34
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 9 Drawing Page(s)
LINE COUNT: 1203
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Implants may be coated with a biocompatible coating to improve the biocompatibiiity of the implant. The biocompatible coating may include a bone growth promoting compound. Such compounds include, but are not limited to, phospholipids, bone morphogenetic proteins, or combinations thereof. The bone growth promoting compound may enhance the rate of bone growth proximate to the implant and the integration of the implant into the surrounding bone.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 17 USPATFULL on STN
ACCESSION NUMBER: 2003:117295 USPATFULL
TITLE: Process and composition for removing biofilm
INVENTOR(S): Siegel, Phyllis B., San Antonio, TX, UNITED STATES
Bruckner, Norman I., Plano, TX, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2003079758	A1	20030501	
APPLICATION INFO.:	US 2002-72432	A1	20020208	(10)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1998-89845, filed on 3 Jun 1998, ABANDONED Continuation-in-part of Ser. No. US 2000-608048, filed on 30 Jun 2000, PENDING
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: JOHN LEZDEY, 1409A NORTH FT HARRISON, CLEARWATER, FL, 33755
NUMBER OF CLAIMS: 24
EXEMPLARY CLAIM: 1
LINE COUNT: 1328
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A composition and a method for decontaminating small diameter water lines for medical equipment which effectively dislodges and eliminates a biofilm and at the same time destroy the microorganism flora in the fresh water and in the dislodged biofilm. In addition the composition or method does not corrode water line materials, it is safe and non-toxic, it does not expose patients to the decontaminaiting chemicals or process, it does not leave significant residual chemicals in the water line, it does not require the use of sterile solutions and aseptic technique by dental personel, and it does not require mixing or dilution of chemicals prior to use.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 17 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 1995:32379 BIOSIS
DOCUMENT NUMBER: PREV199598046679
TITLE: Enhancement of mycobactericidal activity of glutaraldehyde with alpha,beta-unsaturated and aromatic aldehydes.
AUTHOR(S): Gordon, M. D.; Ezzell, R. J.; **Bruckner, N. I.**; Ascenzi, J. M. [Reprint author]
CORPORATE SOURCE: Research Div., Johnson Johnson Med. Inc., PO Box 130, Arlington, TX 76004, USA
SOURCE: Journal of Industrial Microbiology, (1994) Vol. 13, No. 2, pp. 77-82.
CODEN: JIMIE7. ISSN: 0169-4146.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 25 Jan 1995
Last Updated on STN: 26 Jan 1995

AB Several alpha,beta-unsaturated and aromatic aldehydes were evaluated for antimicrobial activity using Mycobacterium bovis as the test strain. Activity of most of the compounds was determined in the presence and absence of 2% glutaraldehyde. Several compounds highly active against this organism, e.g. 2-pentenal, benzaldehyde, and o-phthalaldehyde showed rapid kill of gt 10-5 CFU ml-1 in 5 min. Activity of alpha,beta-unsaturated compounds substituted in the beta-1 position showed increasing activity with increasing chain length. Of the aromatic aldehydes tested benzaldehyde and p-dimethylamino benzaldehyde showed little activity alone, but when combined with 2% glutaraldehyde showed increased activity. Substituents added to the benzaldehyde ring (nitro, chloro, methyl, and methoxy) all detracted from the synergism, but still showed increased activity over the activity of 2% glutaraldehyde. The same affect was noted with disubstituted bcnzaldehyde compounds but not with substituted o-phthalaldehyde (2-formylformaldehyde).

L5 ANSWER 4 OF 17 USPATFULL on STN DUPLICATE 1
ACCESSION NUMBER: 90:89321 USPATFULL
TITLE: Odorless aromatic **dialdehyde** **disinfecting** and sterilizing composition and method of using the same
INVENTOR(S): **Bruckner, Norman I.**, Plano, TX, United States
Gordon, Michael D., Arlington, TX, United States
Howell, Ronald G., Arlington, TX, United States
PATENT ASSIGNEE(S): Johnson & Johnson Medical, Inc., Arlington, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4971999		19901120
APPLICATION INFO.:	US 1989-349675		19890510 (7)

DISCLAIMER DATE: 20060725
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1987-53208, filed on 21 May 1987, now patented, Pat. No. US 4851449
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Shah, Mukund J.
ASSISTANT EXAMINER: Ward, E. C.
NUMBER OF CLAIMS: 8
EXEMPLARY CLAIM: 1
LINE COUNT: 476
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An odorless sterilizing and **disinfecting** solution is described which has a pH of from 3 to 9 and which contains an effective amount of phthalaldehyde. The solution is used to sterilize or to **disinfect** a surface in need of such treatment.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 17 USPATFULL on STN DUPLICATE 2
ACCESSION NUMBER: 89:60916 USPATFULL
TITLE: Odorless aromatic **dialdehyde** **disinfecting** and sterilizing composition
INVENTOR(S): **Bruckner, Norman I.**, Plano, TX, United States
Gordon, Michael D., Arlington, TX, United States
Howell, Ronald G., Arlington, TX, United States
PATENT ASSIGNEE(S): Surgikos, Inc., Arlington, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4851449		19890725	
APPLICATION INFO.:	US 1987-53208		19870521	(7)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Robinson, Douglas W.
ASSISTANT EXAMINER: Kearse, R.
LEGAL REPRESENTATIVE: Tatlow, Michael Q., Metz, Charles J.
NUMBER OF CLAIMS: 5
EXEMPLARY CLAIM: 1
LINE COUNT: 418
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An odorless sterilizing and **disinfecting** solution containing 0.025 to 1.0 weight percent phthalaldehyde.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 17 USPATFULL on STN DUPLICATE 3
ACCESSION NUMBER: 89:56453 USPATFULL
TITLE: **Disinfecting** and sterilizing composition
INVENTOR(S): **Bruckner, Norman I.**, Plano, TX, United States
Gordon, Michael D., Arlington, TX, United States
Howell, Ronald G., Arlington, TX, United States
PATENT ASSIGNEE(S): Surgikos, Inc., Arlington, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4847304		19890711	
APPLICATION INFO.:	US 1987-53210		19870521	(7)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Robinson, Douglas W.
ASSISTANT EXAMINER: Kearse, Richard
LEGAL REPRESENTATIVE: Tatlow, Michael Q., Metz, Charles J.
NUMBER OF CLAIMS: 8
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Figure(s); 1 Drawing Page(s)
LINE COUNT: 348
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A sterilizing and **disinfecting** solution is disclosed. The solution contains a saturated **dialdehyde** such as glutaraldehyde and an aromatic **dialdehyde**, such as phthalaldehyde, isophthalaldehyde or terephthalaldehyde.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 4
ACCESSION NUMBER: 1989:412560 CAPLUS
DOCUMENT NUMBER: 111:12560
TITLE: Odorless **disinfecting** and sterilizing composition containing phthalaldehyde

INVENTOR(S): **Bruckner, Norman Irving**; Gordon, Michael David; Howell, Ronald Gene
PATENT ASSIGNEE(S): Surgikos, Inc., USA
SOURCE: Eur. Pat. Appl., 11 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 292301	A2	19881123	EP 1988-304578	19880520
EP 292301	A3	19900711		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, LU, NL, SE				
US 4851449	A	19890725	US 1987-53208	19870521
IN 167948	A	19910112	IN 1988-CA346	19880429
AU 8816426	A1	19881124	AU 1988-16426	19880519
CA 1337328	A1	19951017	CA 1988-567222	19880519
BR 8802492	A	19881220	BR 1988-2492	19880520
JP 63313705	A2	19881221	JP 1988-122155	19880520
JP 2574391	B2	19970122		
ZA 8803616	A	19900131	ZA 1988-3616	19880520
US 4971999	A	19901120	US 1989-349675	19890510

PRIORITY APPLN. INFO.: US 1987-53208 A 19870521

AB An odorless high-level **disinfecting** and sterilizing composition comprises an aqueous solution containing 0.025-2.0% phthalaldehyde (I). An aqueous solution containing 0.1% I and buffered to pH 8 with K2HPO4 was 100% effective against Mycobacterium bovis at 20° in 10 min, whereas isophthaldehyde and terephthalaldehyde had no tuberculocidal activity. The tuberculocidal activity of I was not pH dependent when tested at pH of 3, 5, 7 and 9. I (0.1%) was shown to be fungicidal against Trichophyton mentagrophytes in 5 min at 20°. Glass slides that were stained with 0.05 g human blood and dried for 5 min at 22-25° were immersed in a solution containing 0.3% I at pH 7.5; after 5 min 100% of the blood had been removed from the slides compared with no removal by a solution containing 2% glutaraldehyde.

L5 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 5
ACCESSION NUMBER: 1989:520900 CAPLUS
DOCUMENT NUMBER: 111:120900
TITLE: Synergistic **disinfectants** containing glutaraldehyde and a **dialdehyde**
INVENTOR(S): **Bruckner, Norman Irving**; Gordon, Michael David; Howell, Ronald Gene
PATENT ASSIGNEE(S): Surgikos, Inc., USA
SOURCE: Eur. Pat. Appl., 8 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 292300	A2	19881123	EP 1988-304577	19880520
EP 292300	A3	19900711		
EP 292300	B1	19921202		
R: BE, DE, ES, FR, GB, IT, NL				
US 4847304	A	19890711	US 1987-53210	19870521
IN 167365	A	19901013	IN 1988-CA351	19880502
AU 8816428	A1	19881124	AU 1988-16428	19880519
ES 2052718	T3	19940716	ES 1988-304577	19880520

PRIORITY APPLN. INFO.: US 1987-53210 A 19870521

AB Sterilizing and **disinfecting** solns. with enhanced tuberculocidal activity comprise 0.25-6% by weight glutaraldehyde (I) and 0.005-1% by weight water-soluble aromatic **dialdehyde**, e.g., phthalaldehyde (II), isophthalaldehyde and terephthalaldehyde. An aqueous solution containing 2% I and 0.2% II totally killed Mycobacterium bovis, in vitro with 10 min of exposure. In the absence of II, I was much less effective.

L5 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 6
ACCESSION NUMBER: 1987:642675 CAPLUS
DOCUMENT NUMBER: 107:242675
TITLE: Glutaraldehyde-aldehyde **disinfecting** and sterilizing compositions, particularly effective against tuberculosis **bacteria**
INVENTOR(S): Ascenzi, Joseph Michael; Gordon, Michael David; **Bruckner, Norman Irving**
PATENT ASSIGNEE(S): Surgikos, Inc., USA
SOURCE: Eur. Pat. Appl., 25 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 232996	A1	19870819	EP 1987-300538	19870122
EP 232996	B1	19900103		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, LU, NL, SE				
IN 164910	A	19890701	IN 1986-CA953	19861229
AU 8767878	A1	19870730	AU 1987-67878	19870121
AU 586064	B2	19890629		
CA 1314207	A1	19930309	CA 1987-527854	19870121
DK 8700363	A	19870724	DK 1987-363	19870122
JP 62201801	A2	19870905	JP 1987-11462	19870122
JP 07094361	B4	19951011		
BR 8700284	A	19871208	BR 1987-284	19870122
ZA 8700479	A	19880831	ZA 1987-479	19870122
AT 49101	E	19900115	AT 1987-300538	19870122
ES 2121730	T3	19981216	ES 1987-300538	19870122
PRIORITY APPLN. INFO.:			US 1986-821660 A	19860123
			EP 1987-300538 A	19870122

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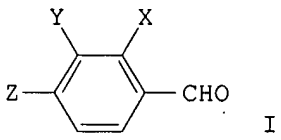


I

AB Sterilizing and **disinfecting** solns., which are particularly effective against Mycobacterium tuberculosis and related species at 20°, contain 0.3-6 weight% glutaraldehyde and 0.01-0.6 weight% of a conjugated monoaldehyde selected from a) α,β-unsatd. C6-10 aldehydes R1CR2:CR3CHO (R1 = H, C1-3 hydrocarbyl, Ph; R2, R3 = H, Me), b) PhCHO, and c) substituted benzaldehydes I (X, Y = H, OH, halo; Z = H, OH, Me, OMe, halo, nitro; YZ = OCH2O; OH groups are not on adjacent C atoms). The addition of a number of α,β-unsatd. monoaldehydes to a 2% aqueous glutaraldehyde solution showed enhanced tuberculocidal activity. The glutaraldehyde solution alone showed 4.6 + 104 organisms (M. bovis BCG test organism)/4.40 + 105 initial organisms after 10 min and 2.4

+ 103 after 30 min, at 20°. However, addition of 0.33 weight% 2-hexenal gave 0 organisms/4.5 + 105 initial organisms after 10 min., and 0.11 weight% PhCH:CMeCHO also gave 0/6.8 + 105 initial organisms after 10 min., at 20°.

L5 ANSWER 10 OF 17 USPATFULL on STN
ACCESSION NUMBER: 87:18742 USPATFULL
TITLE: Drug combinations having synergistic effect
INVENTOR(S): Simon, Ferenc, Budapest, Hungary
Romvary, Attila, Budapest, Hungary
Varga, Janos, Budapest, Hungary
Bozzay, Laszlo, Budapest, Hungary
Bruckner nee Gabor, Edit, Papa, Hungary
PATENT ASSIGNEE(S): Patentbureau Danubia, Hungary (non-U.S. government)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4650790		19870317	
APPLICATION INFO.:	US 1985-717157		19850328	(6)

	NUMBER	DATE
PRIORITY INFORMATION:	HU 1984-1225	19840328
	HU 1984-1226	19840328
	HU 1984-1527	19840420

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Brown, Johnnie R.
ASSISTANT EXAMINER: Peseler, Elli
LEGAL REPRESENTATIVE: Keil & Weinkauf
NUMBER OF CLAIMS: 13
EXEMPLARY CLAIM: 1,9
LINE COUNT: 376
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention relates to a synergistic antibiotic composition useful for the treatment of respiratory, gastrointestinal or urinary infections and septicaemia of domestic animals. The composition comprises tiamulin hydrogen fumarate and an aminoglycoside antibiotic or a pharmaceutically acceptable salt thereof in a weight ratio of 5:1 to 1:5. The active components are admixed or diluted with a carrier, used in veterinary therapy, in a weight ratio of 1:1 to 1:50 and formulated for oral or parenteral application.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

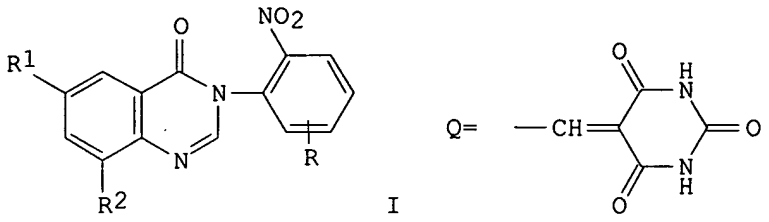
L5 ANSWER 11 OF 17 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 1983:119747 BIOSIS
DOCUMENT NUMBER: PREV198325044747; BR25:44747
TITLE: 1 PHENYL-6 7-DISUBSTITUTED-2-3-DISUBSTITUTED-AMINOPROPYL-1 2 3 4 TETRA HYDRO ISO QUINOLINES AS POSSIBLE ANTI TUBERCULAR AGENTS.
AUTHOR(S): KUMAR P [Reprint author]; DHAWAN K N; KISHOR K; BHARGAVA K P; **SATSANGI R K**
CORPORATE SOURCE: DEP OF PHARMACOL AND THERAPEUTICS, KING GEORGE'S MED COLL, LUCKNOW-226003, INDIA
SOURCE: Journal of Heterocyclic Chemistry, (1982) Vol. 19, No. 3, pp. 677-680.
CODEN: JHTCAD. ISSN: 0022-152X.
DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: ENGLISH

L5 ANSWER 12 OF 17 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on

STN
ACCESSION NUMBER: 1982:272473 BIOSIS
DOCUMENT NUMBER: PREV198274044953; BA74:44953
TITLE: SOME NEW 2 SUBSTITUTED THIO-5-4' PYRIDYL-1 3 4 OXADIAZOLES AS POSSIBLE ANTI TUBERCULAR COMPOUNDS.
AUTHOR(S): KUMAR P [Reprint author]; DHAWAN K N; VRAT S; BHARGAVA K P; KISHOR K; **SATSANGI R K**
CORPORATE SOURCE: LUCKNOW 226004, INDIA
SOURCE: Polish Journal of Pharmacology and Pharmacy, (1981) Vol. 33, No. 5, pp. 527-532.
CODEN: PJPPAA. ISSN: 0301-0244.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
AB 5-(4'-Pyridyl)-2-substituted-thio-1,3,4-oxadizolyl compounds were synthesized in 2 series, 1 comprising of Schiff's bases and the other of arylthioacetohydrazone derivatives. Some compounds inhibited the growth of Mycobacterium smegmatis completely at concentrations of 20-40 μg/ml of culture medium.

L5 ANSWER 13 OF 17 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 1982:250506 BIOSIS
DOCUMENT NUMBER: PREV198274022986; BA74:22986
TITLE: SYNTHESIS OF SOME TRI METHYL SILYL-3-CARBETHOXYALKYLCARBAMOYL PROPIOLATES AND THEIR ANTI TUBERCULAR ACTIVITY.
AUTHOR(S): KUMAR P [Reprint author]; VRAT S; DHAWAN K N; **SATSANGI R K**; KISHORE K; BHARGAVA K P
CORPORATE SOURCE: DEP PHARMACOLOGY, KING GEORGE'S MED COLL, LUCKNOW 226 003
SOURCE: Indian Journal of Chemistry Section B Organic Chemistry Including Medicinal Chemistry, (1981) Vol. 20, No. 6, pp. 517-518.
CODEN: IJSBDB. ISSN: 0376-4699.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
AB Trimethylsilyl-3-(carbethoxyalkylcarbamoyl)propiolates were synthesized as possible antitubercular agents. Two of these compounds show in vitro inhibition of the growth of Mycobacterium smegmatis. One also inhibits the growth of M. tuberculosis H27Rv in vitro, having potency comparable to streptomycin.

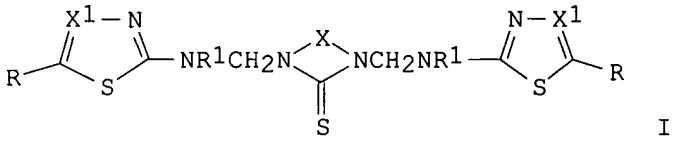
L5 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1981:156848 CAPLUS
DOCUMENT NUMBER: 94:156848
TITLE: 5-Nitro-4(2)-[4-oxo-3H-quinazolin-3-yl]benzylidenemalonylureas as antibacterial agents
AUTHOR(S): Tiwari, S. S.; Zaidi, S. M. M.; Agarwal, Rajesh; **Satsangi, R. K.**
CORPORATE SOURCE: Dep. Chem., Lucknow Univ., Lucknow, India
SOURCE: Journal of the Indian Chemical Society (1980), 57(10), 1039-40
CODEN: JICSAH; ISSN: 0019-4522
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 94:156848
GI



I

AB The title compds. I (R = 2-Q, 4-Q; R1 = H, R2 = H, Br, iodo; R1 = R2 = Br) were prepared by treating haloquinazolones with 2,3-Cl(O2N)C6H3CHO, treating I (R = CHO) with CH2(CO2Et)2, and treating I [R = CH:C(CO2Et)2] with urea. I (R = Q) gave inhibition zones of 0-15mm against Staphylococcus aureus, I (R = 2-Q, R1 = R2 = H) being the most active.

L5 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1980:94312 CAPLUS
DOCUMENT NUMBER: 92:94312
TITLE: New antibacterial 1,3-disubstituted ethylene/phenylene-thioureas
AUTHOR(S): Tiwari, S. S.; **Satsangi, R. K.**; Zaidi, S. M. M.
CORPORATE SOURCE: Dep. Chem., Univ. Lucknow, Lucknow, 226 007, India
SOURCE: Indian Drugs (1979), 16(12), 292-4
CODEN: INDRBA; ISSN: 0019-462X
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I

AB Imidazolethiones I (X = CH2CH2, o-C6H4; X1 = N, CEt, CCH2CO2Et, CPh, CC6H4Me-4, CC6H4NO2-3; R = H, Me, Et, Pr, SH; R1 = H, 2-MeC6H4, 4-MeC6H4) were obtained by treating the imidazolethione with aminothiazole or aminotriazole and CH2O. I (X = CH2CH2) have **bactericidal** activity, except I (X = CH2CH2, X1 = CC6H4Me-4, CC6H4NO2-3). I (X = o-C6H4) was less active than I (X = CH2CH2).

L5 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 7
ACCESSION NUMBER: 1977:195193 CAPLUS
DOCUMENT NUMBER: 86:195193
TITLE: Antimicrobial and other properties of a new stabilized alkaline glutaraldehyde **disinfectant** /sterilizer
AUTHOR(S): Miner, N. A.; McDowell, J. W.; Willcockson, G. W.; **Bruckner, N. I.**; Stark, R. L.; Whitmore, E. J.
CORPORATE SOURCE: Arbrook, Inc., Arlington, TX, USA
SOURCE: American Journal of Hospital Pharmacy (1977), 34(4), 376-82
CODEN: AJHPA9; ISSN: 0002-9289
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A new stabilized **disinfectant** and(or) sterilizer, made with 2% glutaraldehyde [111-30-8] and buffered to pH 7.5-8.0, retained the maximum antimicrobial activity of unstabilized alkaline glutaraldehyde solns. as well

as the chemical stability previously observed only with acidic glutaraldehyde solns. No visual or measurable indications of corrosive or material-damaging properties were noticed. The ability of the solution to resist neutralization by organic matter was very high. The acute LD50 for rats was 17.5 mL/kg. The stabilized solution could be used for 14 days in situations of high dilns., or for 28 days in situations of low dilns., or in any case, until the alkaline gluteraldehyde concentration reached 1.0%. Antimicrobial properties and min. effective concns. against certain **bacteria**, mycobacteria, a fungus, viruses, and spores are tabulated and toxicity, chemical stability, etc., are discussed.

L5 ANSWER 17 OF 17 USPATFULL on STN

ACCESSION NUMBER:	75:3148 USPATFULL
TITLE:	DRAINAGE TUBE
INVENTOR(S):	Vaillancourt, Vincent L., Livingston, NJ, United States **Bruckner, Norman**, East Windsor, NJ, United States Levine, Edward, Metuchen, NJ, United States
PATENT ASSIGNEE(S):	Hydro Med Sciences Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 3861396		19750121	
APPLICATION INFO.:	US 1973-386572		19730808	(5)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	Granted
PRIMARY EXAMINER:	Medbery, Aldrich F.
LEGAL REPRESENTATIVE:	Cushman, Darby & Cushman
NUMBER OF CLAIMS:	9
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT:	308

AB Means are provided for eliminating negative pressure problem, e.g. in a closed urinary system comprising a catheter, a downwardly extending tube and a collection bag. The tube has an internal coating of a hydrophilic polymer, preferably a 2-hydroxyethyl methacrylate polymer, or can be made completely of the hydrophilic polymer.

L5 ANSWER 1 OF 17 USPATFULL on STN

ACCESSION NUMBER:	2005:144030 USPATFULL
TITLE:	Implant coatings
INVENTOR(S):	Ong, Joo L., Cordova, TN, UNITED STATES **Satsangi, Rajiv K.**, San Antonio, TX, UNITED STATES Satsangi, Neera, San Antonio, TX, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2005123765	A1	20050609	
APPLICATION INFO.:	US 2003-497671	A1	20021217	(10)
	WO 2002-US40172		20021217	

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-342069P	20011219 (60)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	MEYERTONS, HOOD, KIVLIN, KOWERT & GOETZEL, P.C., P.O. BOX 398, AUSTIN, TX, 78767-0398, US
NUMBER OF CLAIMS:	34
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	9 Drawing Page(s)

LINE COUNT: 1203
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Implants may be coated with a biocompatible coating to improve the biocompatibiiity of the implant. The biocompatible coating may include a bone growth promoting compound. Such compounds include, but are not limited to, phospholipids, bone morphogenetic proteins, or combinations thereof. The bone growth promoting compound may enhance the rate of bone growth proximate to the implant and the integration of the implant into the surrounding bone.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 17 USPATFULL on STN
ACCESSION NUMBER: 2003:117295 USPATFULL
TITLE: Process and composition for removing biofilm
INVENTOR(S): Siegel, Phyllis B., San Antonio, TX, UNITED STATES
Bruckner, Norman I., Plano, TX, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003079758	A1	20030501
APPLICATION INFO.:	US 2002-72432	A1	20020208 (10)

RELATED APPLN.. INFO.: Continuation-in-part of Ser. No. US 1998-89845, filed on 3 Jun 1998, ABANDONED Continuation-in-part of Ser. No. US 2000-608048, filed on 30 Jun 2000, PENDING
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: JOHN LEZDEY, 1409A NORTH FT HARRISON, CLEARWATER, FL, 33755
NUMBER OF CLAIMS: 24
EXEMPLARY CLAIM: 1
LINE COUNT: 1328
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A composition and a method for decontaminating small diameter water lines for medical equipment which effectively dislodges and eliminates a biofilm and at the same time destroy the microorganism flora in the fresh water and in the dislodged biofilm. In addition the composition or method does not corrode water line materials, it is safe and non-toxic, it does not expose patients to the decontaminaiting chemicals or process, it does not leave significant residual chemicals in the water line, it does not require the use of sterile solutions and aseptic technique by dental personel, and it does not require mixing or dilution of chemicals prior to use.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 17 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 1995:32379 BIOSIS
DOCUMENT NUMBER: PREV199598046679
TITLE: Enhancement of mycobactericidal activity of glutaraldehyde with alpha,beta-unsaturated and aromatic aldehydes.
AUTHOR(S): Gordon, M. D.; Ezzell, R. J.; **Bruckner, N. I.**; Ascenzi, J. M. [Reprint author]
CORPORATE SOURCE: Research Div., Johnson Johnson Med. Inc., PO Box 130, Arlington, TX 76004, USA
SOURCE: Journal of Industrial Microbiology, (1994) Vol. 13, No. 2, pp. 77-82.
CODEN: JIMIE7. ISSN: 0169-4146.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 25 Jan 1995
Last Updated on STN: 26 Jan 1995
AB Several alpha,beta-unsaturated and aromatic aldehydes were evaluated for antimicrobial activity using Mycobacterium bovis as the test strain.

Activity of most of the compounds was determined in the presence and absence of 2% glutaraldehyde. Several compounds highly active against this organism, e.g. 2-pentenal, benzaldehyde, and o-phthalaldehyde showed rapid kill of gt 10-5 CFU ml-1 in 5 min. Activity of alpha,beta-unsaturated compounds substituted in the beta-1 position showed increasing activity with increasing chain length. Of the aromatic aldehydes tested benzaldehyde and p-dimethylamino benzaldehyde showed little activity alone, but when combined with 2% glutaraldehyde showed increased activity. Substituents added to the benzaldehyde ring (nitro, chloro, methyl, and methoxy) all detracted from the synergism, but still showed increased activity over the activity of 2% glutaraldehyde. The same affect was noted with disubstituted bcnzaldehyde compounds but not with substituted o-phthalaldehyde (2-formylformaldehyde).

L5 ANSWER 4 OF 17 USPATFULL on STN DUPLICATE 1

ACCESSION NUMBER:	90:89321 USPATFULL
TITLE:	Odorless aromatic **dialdehyde** **disinfecting** and sterilizing composition and method of using the same
INVENTOR(S):	**Bruckner, Norman I.**, Plano, TX, United States Gordon, Michael D., Arlington, TX, United States Howell, Ronald G., Arlington, TX, United States
PATENT ASSIGNEE(S):	Johnson & Johnson Medical, Inc., Arlington, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4971999		19901120	
APPLICATION INFO.:	US 1989-349675		19890510	(7)
DISCLAIMER DATE:	20060725			
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1987-53208, filed on 21 May 1987, now patented, Pat. No. US 4851449			
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	Granted			
PRIMARY EXAMINER:	Shah, Mukund J.			
ASSISTANT EXAMINER:	Ward, E. C.			
NUMBER OF CLAIMS:	8			
EXEMPLARY CLAIM:	1			
LINE COUNT:	476			

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An odorless sterilizing and **disinfecting** solution is described which has a pH of from 3 to 9 and which contains an effective amount of phthalaldehyde. The solution is used to sterilize or to **disinfect** a surface in need of such treatment.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 17 USPATFULL on STN DUPLICATE 2

ACCESSION NUMBER:	89:60916 USPATFULL
TITLE:	Odorless aromatic **dialdehyde** **disinfecting** and sterilizing composition
INVENTOR(S):	**Bruckner, Norman I.**, Plano, TX, United States Gordon, Michael D., Arlington, TX, United States Howell, Ronald G., Arlington, TX, United States
PATENT ASSIGNEE(S):	Surgikos, Inc., Arlington, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4851449		19890725	
APPLICATION INFO.:	US 1987-53208		19870521	(7)
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	Granted			
PRIMARY EXAMINER:	Robinson, Douglas W.			

ASSISTANT EXAMINER: Kearse, R.
LEGAL REPRESENTATIVE: Tatlow, Michael Q., Metz, Charles J.
NUMBER OF CLAIMS: 5
EXEMPLARY CLAIM: 1
LINE COUNT: 418
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB An odorless sterilizing and **disinfecting** solution containing 0.025 to 1.0 weight percent phthalaldehyde.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 17 USPATFULL on STN DUPLICATE 3
ACCESSION NUMBER: 89:56453 USPATFULL
TITLE: **Disinfecting** and sterilizing composition
INVENTOR(S): **Bruckner, Norman I.**, Plano, TX, United States
Gordon, Michael D., Arlington, TX, United States
Howell, Ronald G., Arlington, TX, United States
PATENT ASSIGNEE(S): Surgikos, Inc., Arlington, TX, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4847304		19890711	
APPLICATION INFO.:	US 1987-53210		19870521	(7)

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Robinson, Douglas W.
ASSISTANT EXAMINER: Kearse, Richard
LEGAL REPRESENTATIVE: Tatlow, Michael Q., Metz, Charles J.
NUMBER OF CLAIMS: 8
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Figure(s); 1 Drawing Page(s)
LINE COUNT: 348
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A sterilizing and **disinfecting** solution is disclosed. The solution contains a saturated **dialdehyde** such as glutaraldehyde and an aromatic **dialdehyde**, such as phthalaldehyde, isophthalaldehyde or terephthalaldehyde.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 4
ACCESSION NUMBER: 1989:412560 CAPLUS
DOCUMENT NUMBER: 111:12560
TITLE: Odorless **disinfecting** and sterilizing composition containing phthalaldehyde
INVENTOR(S): **Bruckner, Norman Irving**; Gordon, Michael David; Howell, Ronald Gene
PATENT ASSIGNEE(S): Surgikos, Inc., USA
SOURCE: Eur. Pat. Appl., 11 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 292301	A2	19881123	EP 1988-304578	19880520
EP 292301	A3	19900711		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, LU, NL, SE				
US 4851449	A	19890725	US 1987-53208	19870521
IN 167948	A	19910112	IN 1988-CA346	19880429
AU 8816426	A1	19881124	AU 1988-16426	19880519

CA 1337328	A1	19951017	CA 1988-567222	19880519
BR 8802492	A	19881220	BR 1988-2492	19880520
JP 63313705	A2	19881221	JP 1988-122155	19880520
JP 2574391	B2	19970122		
ZA 8803616	A	19900131	ZA 1988-3616	19880520
US 4971999	A	19901120	US 1989-349675	19890510

PRIORITY APPLN. INFO.: US 1987-53208 A 19870521

AB An odorless high-level **disinfecting** and sterilizing composition comprises an aqueous solution containing 0.025-2.0% phthalaldehyde (I). An aqueous solution containing 0.1% I and buffered to pH 8 with K2HPO4 was 100% effective against Mycobacterium bovis at 20° in 10 min, whereas isophthaldehyde and terephthalaldehyde had no tuberculocidal activity. The tuberculocidal activity of I was not pH dependent when tested at pH of 3, 5, 7 and 9. I (0.1%) was shown to be fungicidal against Trichophyton mentagrophytes in 5 min at 20°. Glass slides that were stained with 0.05 g human blood and dried for 5 min at 22-25° were immersed in a solution containing 0.3% I at pH 7.5; after 5 min 100% of the blood had been removed from the slides compared with no removal by a solution containing 2% glutaraldehyde.

L5 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 5

ACCESSION NUMBER: 1989:520900 CAPLUS
DOCUMENT NUMBER: 111:120900
TITLE: Synergistic **disinfectants** containing glutaraldehyde and a **dialdehyde**
INVENTOR(S): **Bruckner, Norman Irving**; Gordon, Michael David; Howell, Ronald Gene
PATENT ASSIGNEE(S): Surgikos, Inc., USA
SOURCE: Eur. Pat. Appl., 8 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 292300	A2	19881123	EP 1988-304577	19880520
EP 292300	A3	19900711		
EP 292300	B1	19921202		
R: BE, DE, ES, FR, GB, IT, NL				
US 4847304	A	19890711	US 1987-53210	19870521
IN 167365	A	19901013	IN 1988-CA351	19880502
AU 8816428	A1	19881124	AU 1988-16428	19880519
ES 2052718	T3	19940716	ES 1988-304577	19880520

PRIORITY APPLN. INFO.: US 1987-53210 A 19870521

AB Sterilizing and **disinfecting** solns. with enhanced tuberculocidal activity comprise 0.25-6% by weight glutaraldehyde (I) and 0.005-1% by weight water-soluble aromatic **dialdehyde**, e.g., phthalaldehyde (II), isophthalaldehyde and terephthalaldehyde. An aqueous solution containing 2% I and 0.2% II totally killed Mycobacterium bovis, in vitro with 10 min of exposure. In the absence of II, I was much less effective.

L5 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 6

ACCESSION NUMBER: 1987:642675 CAPLUS
DOCUMENT NUMBER: 107:242675
TITLE: Glutaraldehyde-aldehyde **disinfecting** and sterilizing compositions, particularly effective against tuberculosis **bacteria**
INVENTOR(S): Ascenzi, Joseph Michael; Gordon, Michael David; **Bruckner, Norman Irving**
PATENT ASSIGNEE(S): Surgikos, Inc., USA
SOURCE: Eur. Pat. Appl., 25 pp.

CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 232996	A1	19870819	EP 1987-300538	19870122
EP 232996	B1	19900103		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, LU, NL, SE				
IN 164910	A	19890701	IN 1986-CA953	19861229
AU 8767878	A1	19870730	AU 1987-67878	19870121
AU 586064	B2	19890629		
CA 1314207	A1	19930309	CA 1987-527854	19870121
DK 8700363	A	19870724	DK 1987-363	19870122
JP 62201801	A2	19870905	JP 1987-11462	19870122
JP 07094361	B4	19951011		
BR 8700284	A	19871208	BR 1987-284	19870122
ZA 8700479	A	19880831	ZA 1987-479	19870122
AT 49101	E	19900115	AT 1987-300538	19870122
ES 2121730	T3	19981216	ES 1987-300538	19870122

PRIORITY APPLN. INFO.: US 1986-821660 A 19860123
EP 1987-300538 A 19870122

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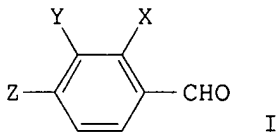


I

AB Sterilizing and **disinfecting** solns., which are particularly effective against Mycobacterium tuberculosis and related species at 20°, contain 0.3-6 weight% glutaraldehyde and 0.01-0.6 weight% of a conjugated monoaldehyde selected from a) α,β-unsatd. C6-10 aldehydes R1CR2:CR3CHO (R1 = H, C1-3 hydrocarbyl, Ph; R2, R3 = H, Me); b) PhCHO, and c) substituted benzaldehydes I (X, Y = H, OH, halo; Z = H, OH, Me, OMe, halo, nitro; YZ = OCH2O; OH groups are not on adjacent C atoms). The addition of a number of α,β-unsatd. monoaldehydes to a 2% aqueous glutaraldehyde solution showed enhanced tuberculocidal activity. The glutaraldehyde solution alone showed 4.6 + 104 organisms (M. bovis BCG test organism)/4.40 + 105 initial organisms after 10 min and 2.4 + 103 after 30 min, at 20°. However, addition of 0.33 weight% 2-hexenal gave 0 organisms/4.5 + 105 initial organisms after 10 min., and 0.11 weight% PhCH:CMeCHO also gave 0/6.8 + 105 initial organisms after 10 min., at 20°.

L5 ANSWER 10 OF 17 USPATFULL on STN
ACCESSION NUMBER: 87:18742 USPATFULL
TITLE: Drug combinations having synergistic effect
INVENTOR(S): Simon, Ferenc, Budapest, Hungary
Romvary, Attila, Budapest, Hungary
Varga, Janos, Budapest, Hungary
Bozzay, Laszlo, Budapest, Hungary
Bruckner nee Gabor, Edit, Papa, Hungary
PATENT ASSIGNEE(S): Patentbureau Danubia, Hungary (non-U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4650790		19870317

APPLICATION INFO.: US 1985-717157 19850328 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	HU 1984-1225	19840328
	HU 1984-1226	19840328
	HU 1984-1527	19840420

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Brown, Johnnie R.
ASSISTANT EXAMINER: Peseler, Elli
LEGAL REPRESENTATIVE: Keil & Weinkauf
NUMBER OF CLAIMS: 13
EXEMPLARY CLAIM: 1,9
LINE COUNT: 376
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a synergistic antibiotic composition useful for the treatment of respiratory, gastrointestinal or urinary infections and septicaemia of domestic animals. The composition comprises tiamulin hydrogen fumarate and an aminoglycoside antibiotic or a pharmaceutically acceptable salt thereof in a weight ratio of 5:1 to 1:5. The active components are admixed or diluted with a carrier, used in veterinary therapy, in a weight ratio of 1:1 to 1:50 and formulated for oral or parenteral application.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 11 OF 17 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 1983:119747 BIOSIS
DOCUMENT NUMBER: PREV198325044747; BR25:44747
TITLE: 1 PHENYL-6 7-DISUBSTITUTED-2-3-DISUBSTITUTED-AMINOPROPYL-1 2 3 4 TETRA HYDRO ISO QUINOLINES AS POSSIBLE ANTI TUBERCULAR AGENTS.
AUTHOR(S): KUMAR P [Reprint author]; DHAWAN K N; KISHOR K; BHARGAVA K P; **SATSANGI R K**
CORPORATE SOURCE: DEP OF PHARMACOL AND THERAPEUTICS, KING GEORGE'S MED COLL, LUCKNOW-226003, INDIA
SOURCE: Journal of Heterocyclic Chemistry, (1982) Vol. 19, No. 3, pp. 677-680.
CODEN: JHTCAD. ISSN: 0022-152X.
DOCUMENT TYPE: Article
FILE SEGMENT: BR
LANGUAGE: ENGLISH

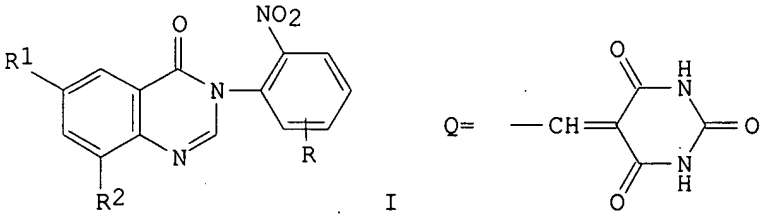
L5 ANSWER 12 OF 17 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 1982:272473 BIOSIS
DOCUMENT NUMBER: PREV198274044953; BA74:44953
TITLE: SOME NEW 2 SUBSTITUTED THIO-5-4' PYRIDYL-1 3 4 OXADIAZOLES AS POSSIBLE ANTI TUBERCULAR COMPOUNDS.
AUTHOR(S): KUMAR P [Reprint author]; DHAWAN K N; VRAT S; BHARGAVA K P; KISHOR K; **SATSANGI R K**
CORPORATE SOURCE: LUCKNOW 226004, INDIA
SOURCE: Polish Journal of Pharmacology and Pharmacy, (1981) Vol. 33, No. 5, pp. 527-532.
CODEN: PJPPAA. ISSN: 0301-0244.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH

AB 5-(4'-Pyridyl)-2-substituted-thio-1,3,4-oxadizolyl compounds were synthesized in 2 series, 1 comprising of Schiff's bases and the other of arylthioacetohydrazone derivatives. Some compounds inhibited the growth of Mycobacterium smegmatis completely at concentrations of 20-40 μg/ml

of culture medium.

L5 ANSWER 13 OF 17 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
ACCESSION NUMBER: 1982:250506 BIOSIS
DOCUMENT NUMBER: PREV198274022986; BA74:22986
TITLE: SYNTHESIS OF SOME TRI METHYL SILYL-3-CARBETHOXYALKYLCARBAMOYL PROPIOLATES AND THEIR ANTI TUBERCULAR ACTIVITY.
AUTHOR(S): KUMAR P [Reprint author]; VRAT S; DHAWAN K N; **SATSANGI R K**; KISHORE K; BHARGAVA K P
CORPORATE SOURCE: DEP PHARMACOLOGY, KING GEORGE'S MED COLL, LUCKNOW 226 003
SOURCE: Indian Journal of Chemistry Section B Organic Chemistry Including Medicinal Chemistry, (1981) Vol. 20, No. 6, pp. 517-518.
CODEN: IJSBDB. ISSN: 0376-4699.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
AB Trimethylsilyl-3-(carbethoxyalkylcarbamoyl)propiolates were synthesized as possible antitubercular agents. Two of these compounds show in vitro inhibition of the growth of Mycobacterium smegmatis. One also inhibits the growth of M. tuberculosis H27Rv in vitro, having potency comparable to streptomycin.

L5 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1981:156848 CAPLUS
DOCUMENT NUMBER: 94:156848
TITLE: 5-Nitro-4(2)-[4-oxo-3H-quinazolin-3-yl]benzylidenemalonylureas as antibacterial agents
AUTHOR(S): Tiwari, S. S.; Zaidi, S. M. M.; Agarwal, Rajesh; **Satsangi, R. K.**
CORPORATE SOURCE: Dep. Chem., Lucknow Univ., Lucknow, India
SOURCE: Journal of the Indian Chemical Society (1980), 57(10), 1039-40
CODEN: JICSAH; ISSN: 0019-4522
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 94:156848
GI

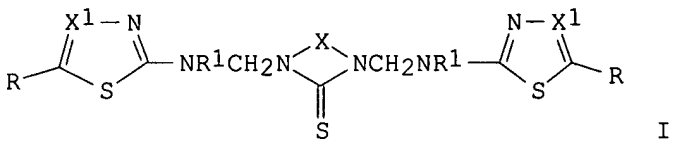


I

AB The title compds. I (R = 2-Q, 4-Q; R1 = H, R2 = H, Br, iodo; R1 = R2 = Br) were prepared by treating haloquinazolones with 2,3-Cl(O2N)C6H3CHO, treating I (R = CHO) with CH2(CO2Et)2, and treating I [R = CH:C(CO2Et)2] with urea. I (R = Q) gave inhibition zones of 0-15mm against Staphylococcus aureus, I (R = 2-Q, R1 = R2 = H) being the most active.

L5 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1980:94312 CAPLUS
DOCUMENT NUMBER: 92:94312

TITLE: New antibacterial 1,3-disubstituted ethylene/phenylene-thioureas
AUTHOR(S): Tiwari, S. S.; **Satsangi, R. K.**; Zaidi, S. M. M.
CORPORATE SOURCE: Dep. Chem., Univ. Lucknow, Lucknow, 226 007, India
SOURCE: Indian Drugs (1979), 16(12), 292-4
CODEN: INDRBA; ISSN: 0019-462X
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I

AB Imidazolethiones I (X = CH2CH2, o-C6H4; X1 = N, CEt, CCH2CO2Et, CPh, CC6H4Me-4, CC6H4NO2-3; R = H, Me, Et, Pr, SH; R1 = H, 2-MeC6H4, 4-MeC6H4) were obtained by treating the imidazolethione with aminothiazole or aminotriazole and CH2O. I (X = CH2CH2) have **bactericidal** activity, except I (X = CH2CH2, X1 = CC6H4Me-4, CC6H4NO2-3). I (X = o-C6H4) was less active than I (X = CH2CH2).

L5 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 7
ACCESSION NUMBER: 1977:195193 CAPLUS
DOCUMENT NUMBER: 86:195193
TITLE: Antimicrobial and other properties of a new stabilized alkaline glutaraldehyde **disinfectant** /sterilizer
AUTHOR(S): Miner, N. A.; McDowell, J. W.; Willcockson, G. W.; **Bruckner, N. I.**; Stark, R. L.; Whitmore, E. J.
CORPORATE SOURCE: Arbrook, Inc., Arlington, TX, USA
SOURCE: American Journal of Hospital Pharmacy (1977), 34(4), 376-82
CODEN: AJHPA9; ISSN: 0002-9289
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A new stabilized **disinfectant** and(or) sterilizer, made with 2% glutaraldehyde [111-30-8] and buffered to pH 7.5-8.0, retained the maximum antimicrobial activity of unstabilized alkaline glutaraldehyde solns. as well as the chemical stability previously observed only with acidic glutaraldehyde solns. No visual or measurable indications of corrosive or material-damaging properties were noticed. The ability of the solution to resist neutralization by organic matter was very high. The acute LD50 for rats was 17.5 mL/kg. The stabilized solution could be used for 14 days in situations of high dilns., or for 28 days in situations of low dilns., or in any case, until the alkaline gluteraldehyde concentration reached 1.0%. Antimicrobial properties and min. effective concns. against certain **bacteria**, mycobacteria, a fungus, viruses, and spores are tabulated and toxicity, chemical stability, etc., are discussed.

L5 ANSWER 17 OF 17 USPATFULL on STN
ACCESSION NUMBER: 75:3148 USPATFULL
TITLE: DRAINAGE TUBE
INVENTOR(S): Vaillancourt, Vincent L., Livingston, NJ, United States
Bruckner, Norman, East Windsor, NJ, United States
Levine, Edward, Metuchen, NJ, United States
PATENT ASSIGNEE(S): Hydro Med Sciences Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 3861396		19750121	
APPLICATION INFO.:	US 1973-386572		19730808	(5)
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	Granted			
PRIMARY EXAMINER:	Medbery, Aldrich F.			
LEGAL REPRESENTATIVE:	Cushman, Darby & Cushman			
NUMBER OF CLAIMS:	9			
EXEMPLARY CLAIM:	1			
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 2 Drawing Page(s)			
LINE COUNT:	308			

AB Means are provided for eliminating negative pressure problem, e.g. in a closed urinary system comprising a catheter, a downwardly extending tube and a collection bag. The tube has an internal coating of a hydrophilic polymer, preferably a 2-hydroxyethyl methacrylate polymer, or can be made completely of the hydrophilic polymer.

=>

---Logging off of STN---

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Executing the logoff script...

=> LOG Y